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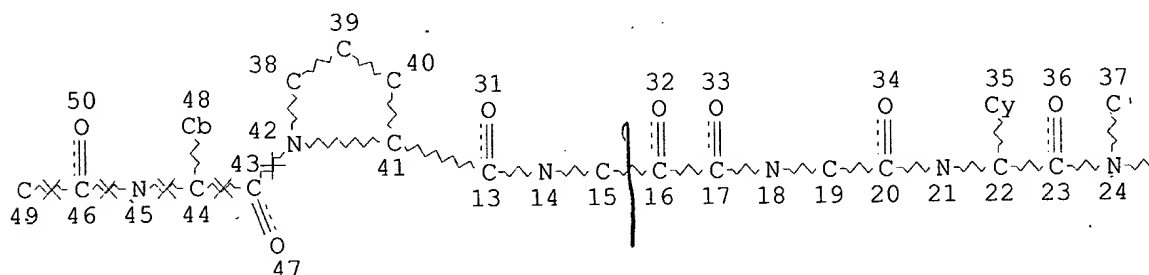
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FILE COVERS 1907 - 7 Jul 2003 VOL 139 ISS 2
 FILE LAST UPDATED: 6 Jul 2003 (20030706/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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 L16 STR



Page 1-A

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Page 1-B

NODE ATTRIBUTES:

NSPEC	IS RC	AT	43
NSPEC	IS RC	AT	44
NSPEC	IS RC	AT	45
NSPEC	IS RC	AT	46
NSPEC	IS RC	AT	49
DEFAULT MLEVEL IS ATOM			
DEFAULT ECLEVEL IS LIMITED			

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

L18 46 SEA FILE=REGISTRY SSS FUL L16
 L19 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L18

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=> d ibib abs hitrn 119 1-2

L19 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:90062 HCAPLUS

DOCUMENT NUMBER: 136:167698

TITLE: Preparation of peptides as NS3-serine protease inhibitors of hepatitis C virus

INVENTOR(S): Saksena, Anil K.; Girijavallabhan, Viyyoor Moopil; Lovey, Raymond G.; Jao, Edwin E.; Bennett, Frank; McCormick, Jinping L.; Wang, Haiyan; Pike, Russell E.; Bogen, Stephane L.; Chan, Tin-Yau; Liu, Yi-Tsung; Zhu, Zhaoning; Njoroge, F. George; Arasappan, Ashok; Parekh, Tejal N.; Ganguly, Ashit K.; Chen, Kevin X.; Venkatraman, Srikanth; Vaccaro, Henry A.; Pinto, Patrick A.; Santhanam, Bama; Wu, Wanli; Hendrata, Siska; Huang, Yuhua; Kemp, Scott Jeffrey; Levy, Odile Esther; Lim-Wilby, Marguerita; Tamura, Susan Y.

PATENT ASSIGNEE(S): Schering Corporation, USA; Corvas International, Inc.

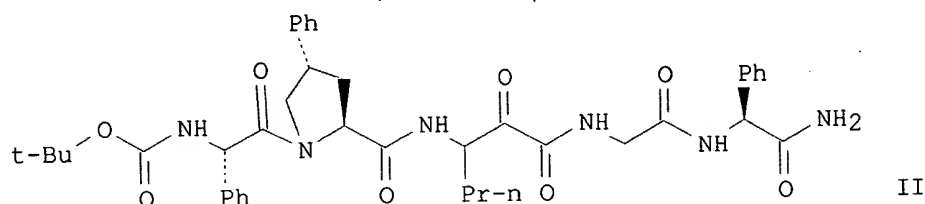
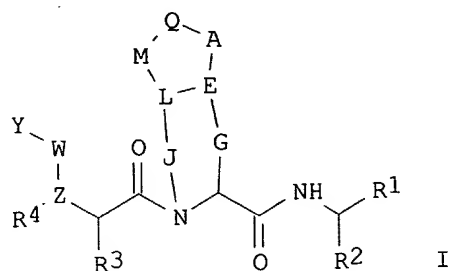
SOURCE: PCT Int. Appl., 536 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008244	A2	20020131	WO 2001-US22678	20010719
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001076988	A5	20020205	AU 2001-76988	20010719
NO 2003000272	A	20030321	NO 2003-272	20030120
PRIORITY APPLN. INFO.:			US 2000-220108P	P 20000721
			WO 2001-US22678	W 20010719
OTHER SOURCE(S):			MARPAT 136:167698	
GI				



AB Peptides I were prepd. wherein Y is alkyl, alkyl-aryl, heteroaryl, heteroalkyl, heteroaryl, aryl-heteroaryl, alkylheteroaryl, cycloalkyl, alkyloxy, alkylaryloxy, aryloxy, heteroaryloxy, heterocycloalkyloxy, cycloalkyloxy,, alkylamino, arylamino, alkylarylamino, arylamino, heteroarylamino, cycloalkylamino and heterocycloalkylamino; R1 is acyl, borate; Z is selected from O, N, CH or CR; W, Q, G, J, L, M independently maybe present or absent; W is C=O, C=S, C(=N-CN), or SO; Q is CH, N, P, alkylidene, O, amine, S, or SO; A is O, CH, alkylidene, amine, S, SO or bond; E is CH, N, alkylidene, or double bond; G is alkylidene; J is alkylidene, SO, NH, NR, O; L is CH, alkylidene, O, S or NR; M is O, NR, S, SO, alkylidene; p is 0 to 6; and R-R4 are independently selected from the group consisting of H; alkyl; alkenyl; cycloalkyl; heterocycloalkyl, alkoxy, aryloxy, alkylthio, arylthio, amino, amido, ester, carboxylic acid, carbamate, urea, ketone, aldehyde, cyano, nitro, halogen; (cycloalkyl)alkyl and (heterocycloalkyl)alkyl, which have HCV protease inhibitory activity as well as methods for prepg. such compds. In another embodiment, the invention discloses pharmaceutical compns. comprising such compds. as well as methods of using them to treat disorders assocd. with the HCV protease. Thus peptide II was prepd. and tested as antiviral agent and NS3-serine protease inhibitors of hepatitis C virus with Ki ranges in category A = 1-100 nM; category B = 101-1,000 nM; category C > 1000 nM. Also disclosed is the use of I for the manuf. of a medicament for treating HCV, AIDS, and related disorders.

IT 394720-84-4P 394721-01-8P 394721-15-4P
394728-75-7P 395644-10-7P 395644-14-1P
395644-35-6P 395644-36-7P 395644-39-0P

395644-35-6P 395644-36-7P 395644-39-0P
 RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);
 PREP (Preparation); USES (Uses)
 (prepn. of peptides as NS3-serine protease inhibitors of hepatitis C
 virus)

L19 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:763001 HCAPLUS

DOCUMENT NUMBER: .135:318715

DOCUMENT NUMBER: 135318715
TITLE: Preparation of macrocyclic NS3-serine protease inhibitors of hepatitis C virus comprising n-cyclic p2 moieties

INVENTOR(S): Chen, Kevin X.; Arasappan, Ashok; Venkatraman, Srikanth; Parekh, Tejal N.; Gu, Haining; Njoroge, F. George; Girijavallabhan, Viyyoor M.; Ganguly, Ashit;

PATENT ASSIGNEE(S): Saksena, Anil; Jao, Edwin; Yao, Nanhua H.; Prongay,
 SOURCE: Andrew J.; Madison, Vincent S.; Vibulbhan, Bancha
 Schering Corporation, USA
 PCT Int. Appl., 402 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077113	A2	20011018	WO 2001-US10869	20010403
WO 2001077113	A3	20020620		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002107181	A1	20020808	US 2001-825399	20010403
EP 1268525	A2	20030102	EP 2001-926601	20010403
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
NO 2002004797	A	20021204	NO 2002-4797	20021004
PRIORITY APPLN. INFO.:			US 2000-194607P	P 20000405
			WO 2001-US10869	W 20010403

OTHER SOURCE(S): MARPAT 135:318715
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein X and Y = independently (cyclo)alkyl, heteroalkyl, (aryl)heteroaryl, alkyl(hetero)aryl, substituted ether, sulfide, sulfone, amide, sulfonamide, urea, carbamate, hydrazide, carbonyl, etc.; R1 = CHO, acyl, or (un)substituted carboxy, carbamoyl, boryl, etc.; Z = O, N, or CH, W = null or CO, CS, or SO2; Q = null or CH, N, P, (CH2)p, (CHR)p, (CRR')p, O, NR, S, or SO2; A = O, CH2, (CHR)p, (CHRCHR')p, (CRR')p, NR, S, SO2, or a bond; E = CH, N, CR, or a double bond toward A, L, or G; G = null or (CH2)p, (CHR)p, or (CRR')p; J = null or CH, CR, O, S, or NR; M = null or O, NR, S, SO2, "(CH2)p, (CHR)p, (CHRCHR')p, or (CRR')p; p = 0-6; R, R', R2, R3, and R4 = independently H, (cyclo)alkyl, alkenyl, heterocycloalkyl, alkoxy, aryloxy, alkylthio, arylthio, amino, amido, ester, carboxylic acid, carbamate, urea, ketone, CHO, CN, NO2, O, N, S, P, etc.] were prepd. as hepatitis C virus (HCV) protease inhibitors. For example, II (multi-step prepn. given) was cyclized, deesterified, and coupled with III.bul.HCl (prepn. given) to give the macrocyclic hydroxyamide intermediate. Oxidn. using Des-Martin reagent followed by flash chromatog. afforded two diastereomers IV in 82% combined yield. The (S)-isomer inhibited NS3-serine protease HeLa/Huh7 co-transfected cells with a Ki of 2 .mu.M. The invention also discloses pharmaceutical compns. comprising I as well as methods of using them to treat disorders assocd. with the HCV protease.

IT 367257-21-4P 367257-22-5P 367257-25-8P
 367257-26-9P 367257-33-8P 367257-34-9P
 367257-46-3P 367257-47-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of macrocyclic NS3-serine protease inhibitors of hepatitis C virus comprising cyclic p2 moieties)

IT 367257-40-7P 367257-42-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of macrocyclic NS3-serine protease inhibitors of hepatitis C virus comprising cyclic p2 moieties)

IT 367257-29-2P 367257-30-5P 367257-35-0P

367257-41-8P 367257-43-0P 367257-55-4P

367257-56-5P 367257-61-2P 367257-71-4P

367257-91-8P 367257-96-3P 367257-97-4P

367257-98-5P 367257-99-6P 367258-00-2P

367258-04-6P 367258-05-7P 367258-06-8P

367258-07-9P 367258-12-6P 367258-27-3P

368871-07-2P 368871-08-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of macrocyclic NS3-serine protease inhibitors of hepatitis C virus comprising cyclic p2 moieties)

IT 367259-40-3P 367259-41-4P 367259-42-5P

367259-45-8P

RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

(prepn. of macrocyclic NS3-serine protease inhibitors of hepatitis C virus comprising cyclic p2 moieties)

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=> fil caold

FILE 'CAOLD' ENTERED AT 17:50:55 ON 07 JUL 2003

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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L20 0 L18

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=> fil reg

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STRUCTURE FILE UPDATES: 6 JUL 2003 HIGHEST RN 543672-54-4
 DICTIONARY FILE UPDATES: 6 JUL 2003 HIGHEST RN 543672-54-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTIES for more information. See STNote 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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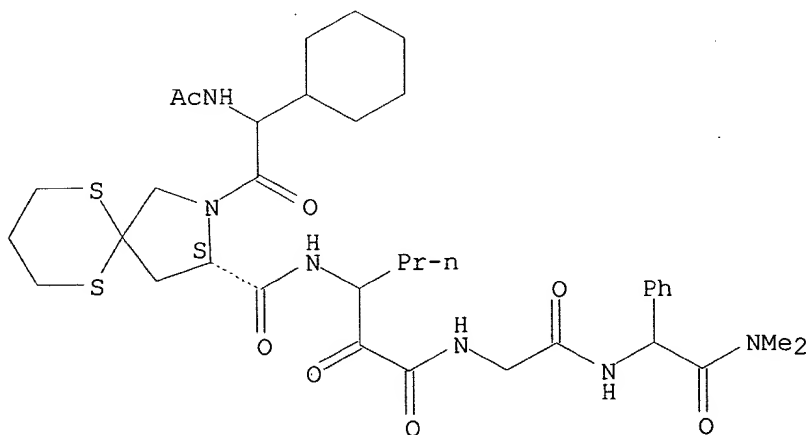
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L18 ANSWER 1 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 395644-39-0 REGISTRY
 CN Glycinamide, N-acetyl-2-cyclohexylglycyl-(3S)-6,10-dithia-2-
 azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
 phenyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C36 H52 N6 O7 S2
 SR CA
 LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

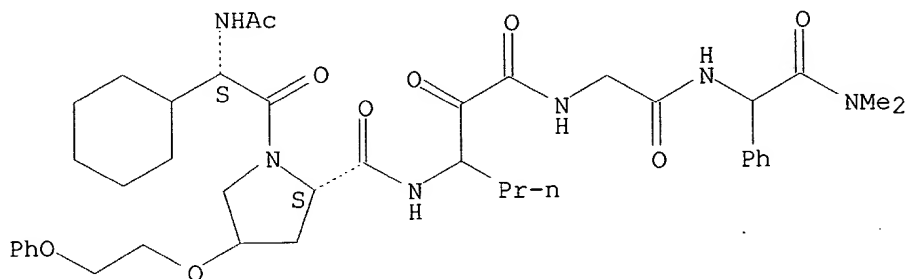
1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 2 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 395644-36-7 REGISTRY
 CN Glycinamide, (2S)-N-acetyl-2-cyclohexylglycyl-4-(2-phenoxyethoxy)-L-prolyl-
 3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C41 H56 N6 O9
 SR CA
 LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



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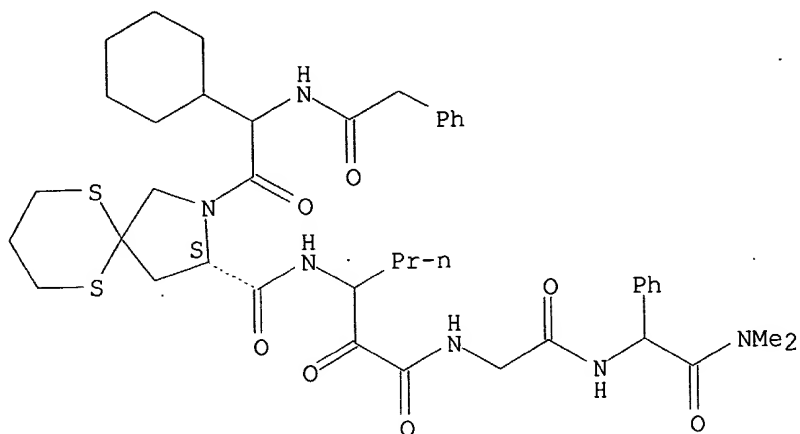
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 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 3 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 395644-35-6 REGISTRY
 CN Glycinamide, 2-cyclohexyl-N-(phenylacetyl)glycyl-(3S)-6,10-dithia-2-
 azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
 phenyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C42 H56 N6 O7 S2
 SR CA
 LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

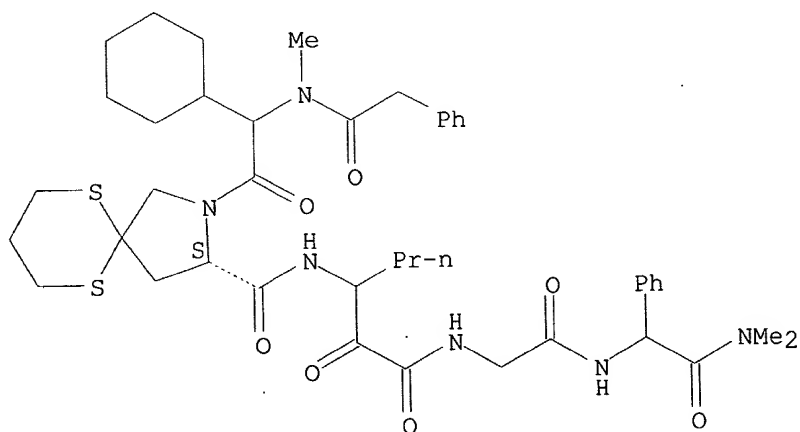
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 4 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 395644-14-1 REGISTRY
CN Glycinamide, 2-cyclohexyl-N-methyl-N-(phenylacetyl)glycyl-(3S)-6,10-dithia-2-azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O7 S2
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 5 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 395644-10-7 REGISTRY

CN Glycinamide, 2-cyclohexyl-N-(4-methyl-1-oxopentyl)glycyl-(3S)-6,10-dithia-2-azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

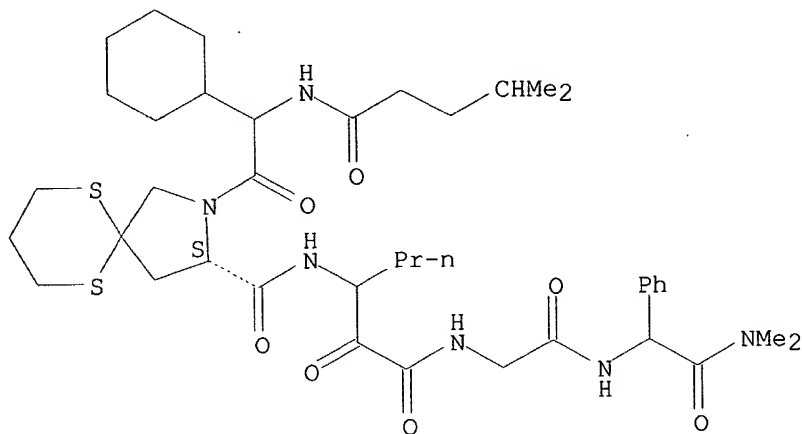
MF C40 H60 N6 O7 S2

SR CA

LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 6 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 394728-75-7 REGISTRY

CN Glycinamide, N-acetyl-L-leucyl-(2S)-2-cyclohexylglycyl-(3S)-6,10-dithia-2-azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

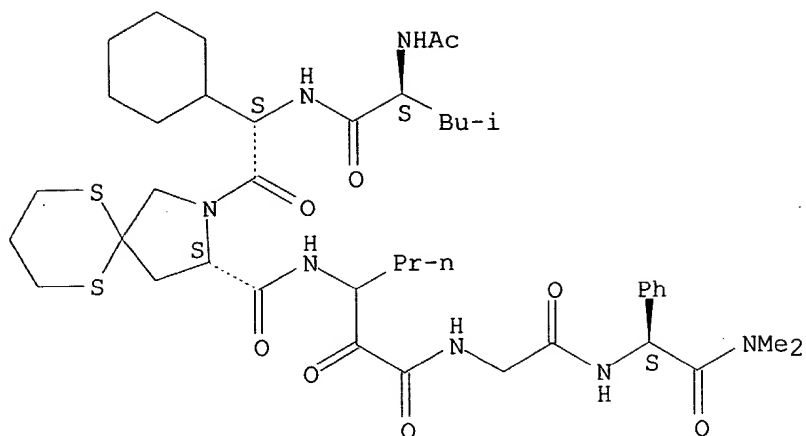
MF C42 H63 N7 O8 S2

SR CA

LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 7 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 394721-15-4 REGISTRY

CN Glycinamide, (2S)-N-(2-carboxy-4,5-dichlorobenzoyl)-2-cyclohexylglycyl-(3S)-6,10-dithia-2-azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

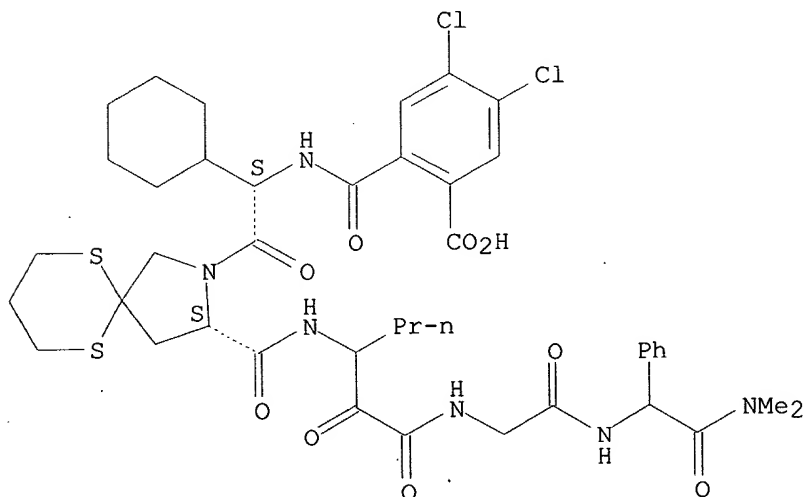
MF C42 H52 Cl2 N6 O9 S2

SR CA

LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 8 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 394721-01-8 REGISTRY

CN Glycinamide, (2S)-2-cyclohexyl-N-(cyclopentylacetyl)glycyl-(3S)-6,10-dithia-2-azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)

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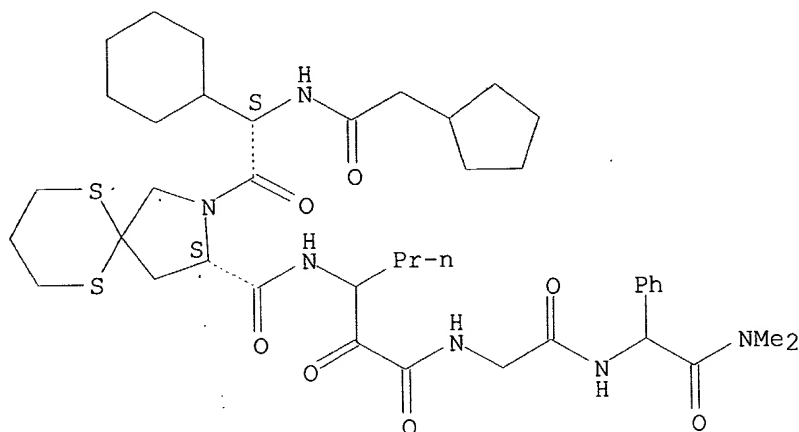
MF C41 H60 N6 O7 S2

SR CA

LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 9 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 394720-84-4 REGISTRY

CN Glycinamide, N-acetyl-L-leucyl-(2S)-2-cyclohexylglycyl-(3S)-6,10-dithia-2-azaspiro[4.5]decane-3-carbonyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

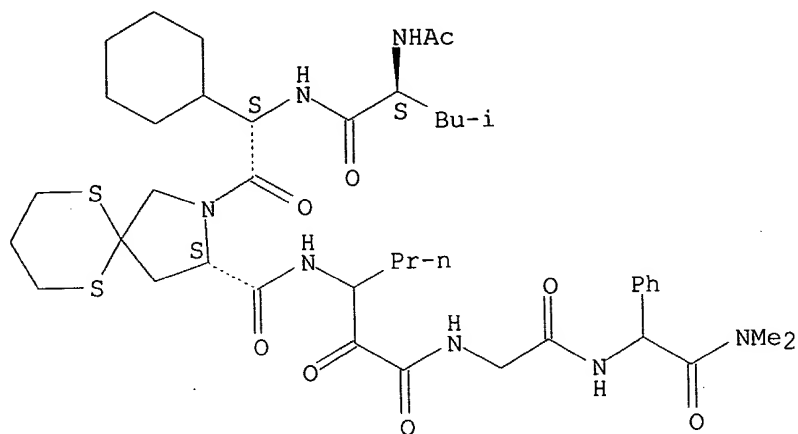
MF C42 H63 N7 O8 S2

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LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



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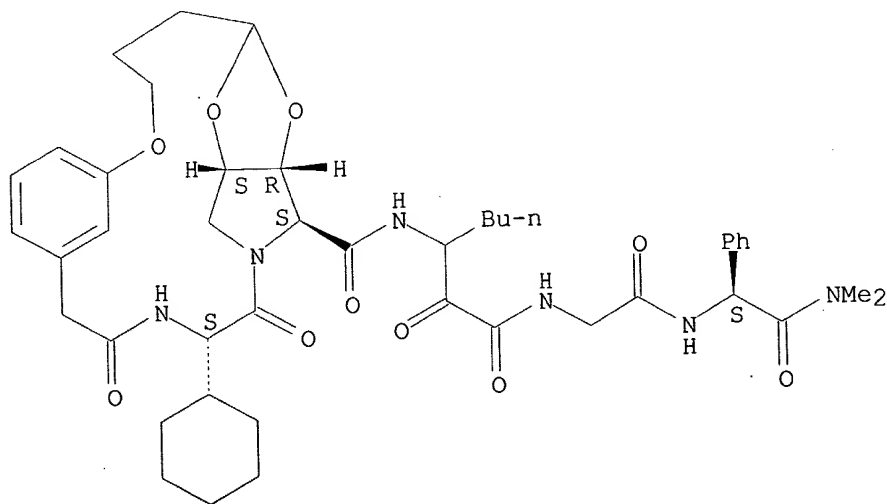
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 136:167698

L18 ANSWER 10 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 368871-08-3 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[(3-hydroxyphenyl)acetyl]glycyl-
(3aR,4S,6aS)-tetrahydro-2-(3-hydroxypropyl)-4H-1,3-dioxolo[4,5-c]pyrrole-4-
carbonyl-3-amino-2-oxoheptanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic
(1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C44 H58 N6 O10
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 11 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 368871-07-2 REGISTRY

CN Glycinamide, (2S)-2-(3-carboxycyclohexyl)-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C43 H56 N6 O11

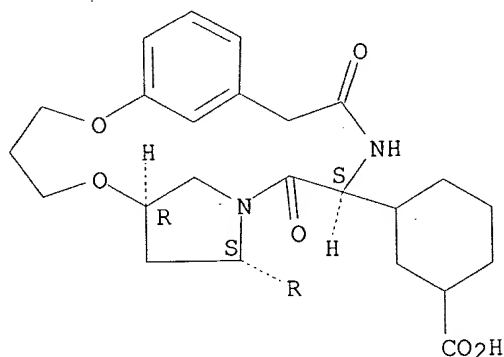
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

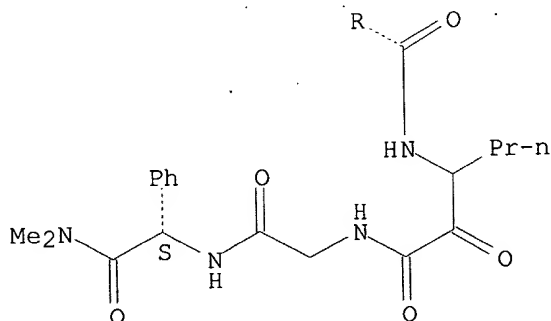
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

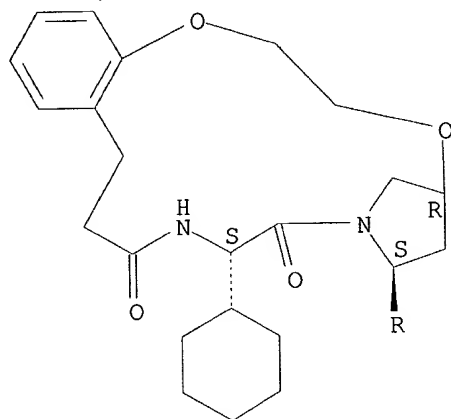
REFERENCE 1: 135:318715

L18 ANSWER 12 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 367259-45-8 REGISTRY
 CN Glycinamide, (2S)-2-cyclohexyl-N-[3-[2-(2-hydroxyethoxy)phenyl]-1-oxopropyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C42 H56 N6 O9
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

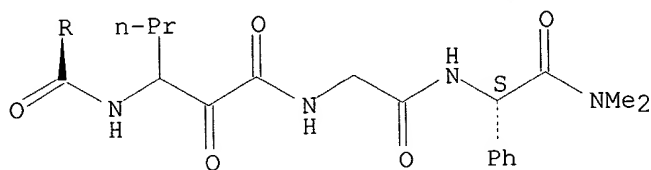
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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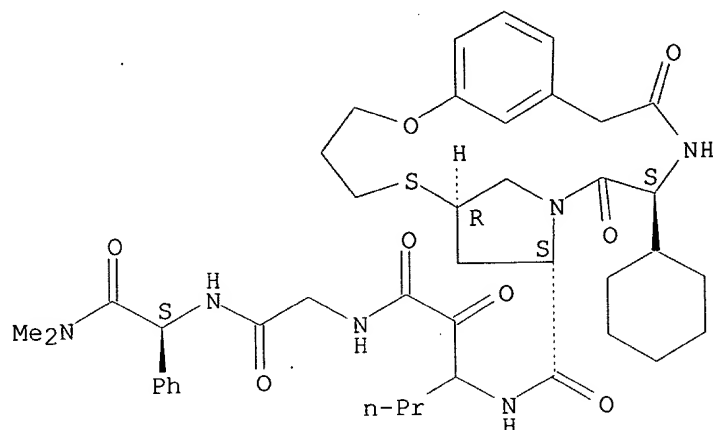
REFERENCE 1: 135:318715

L18 ANSWER 13 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 367259-42-5 REGISTRY
 CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-mercaptopropoxy)phenyl]acetyl]glycyl-(4R)-4-mercapto-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-thioether, (2S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C42 H56 N6 O8 S

SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



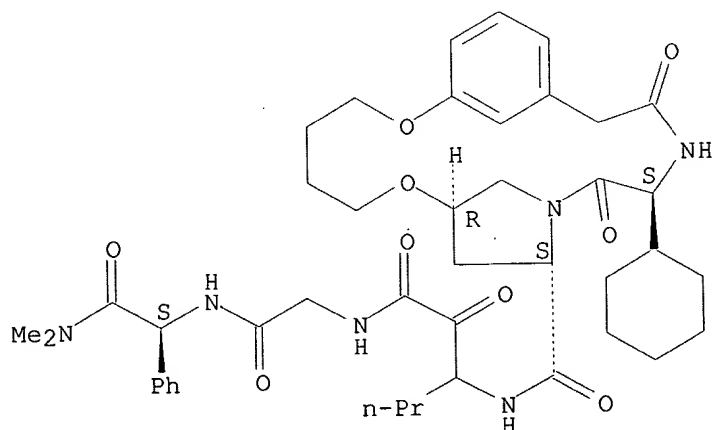
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 14 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367259-41-4 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(4-hydroxybutoxy)phenyl]acetyl]glycyl-
(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-
, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

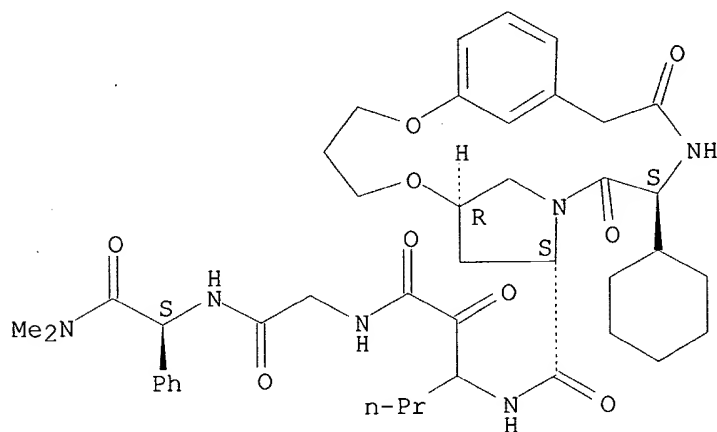
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 15 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367259-40-3 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl
1-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C42 H56 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



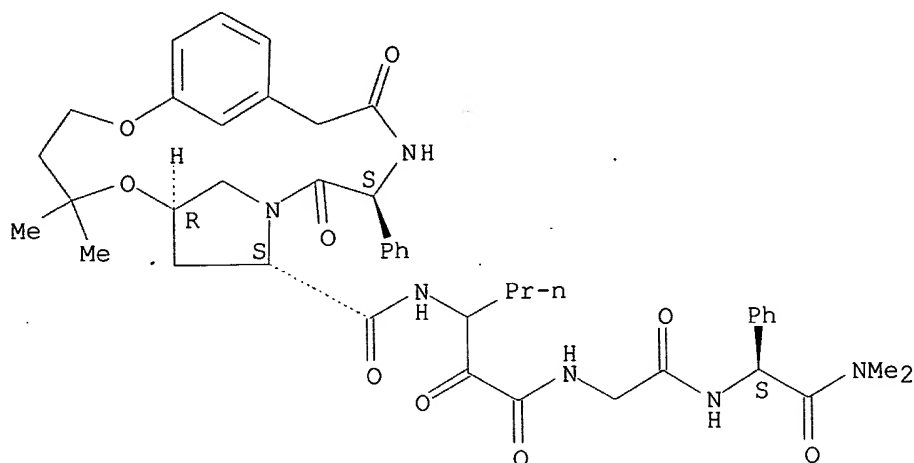
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1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 16 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367258-27-3 REGISTRY
CN Glycinamide, (2S)-N-[[3-(3-hydroxy-3-methylbutoxy)phenyl]acetyl]-2-
phenylglycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-
dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX
NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C44 H54 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

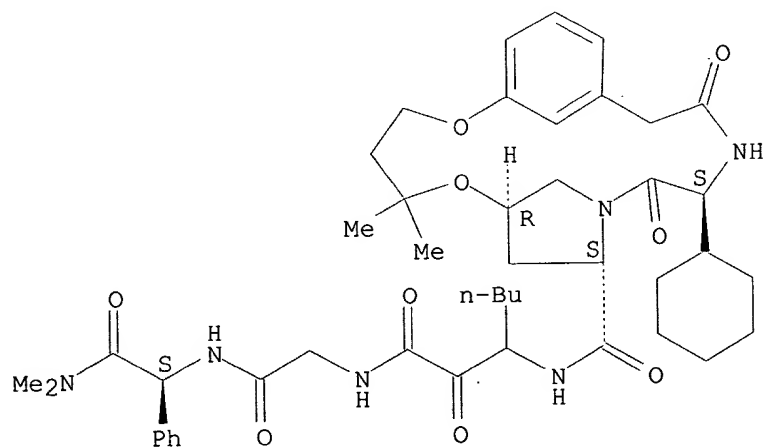
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 17 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367258-12-6 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxy-3-methylbutoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxoheptanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C45 H62 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

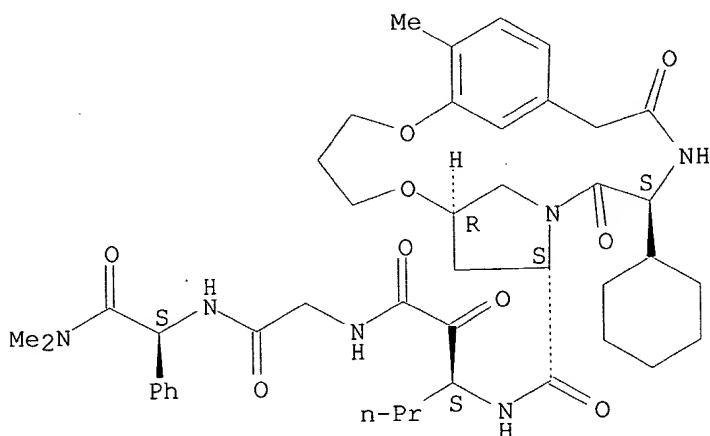
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 18 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367258-07-9 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)-4-methylphenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

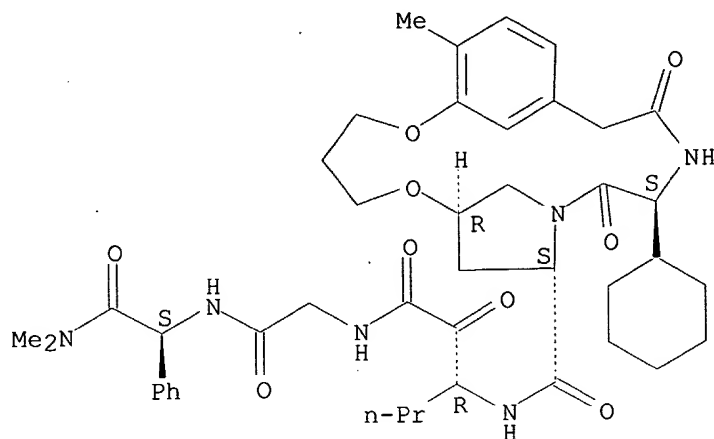
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 19 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367258-06-8 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)-4-methylphenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

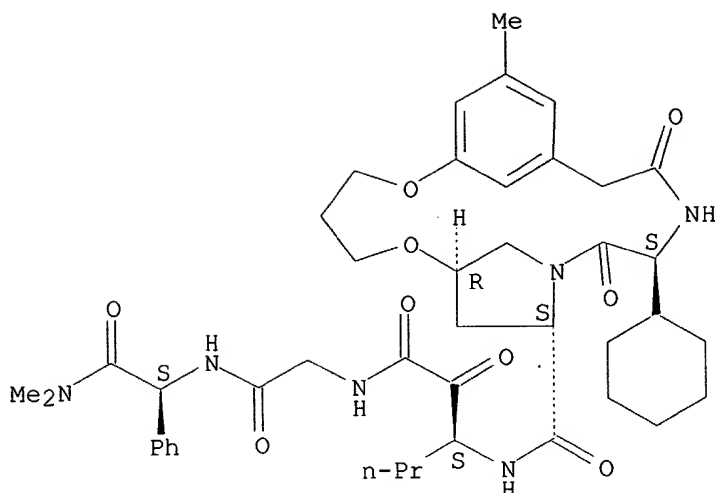
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 20 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367258-05-7 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)-5-methylphenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O9
SR CA
LC STN Files: .CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 21 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 367258-04-6 REGISTRY

CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)-5-methylphenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

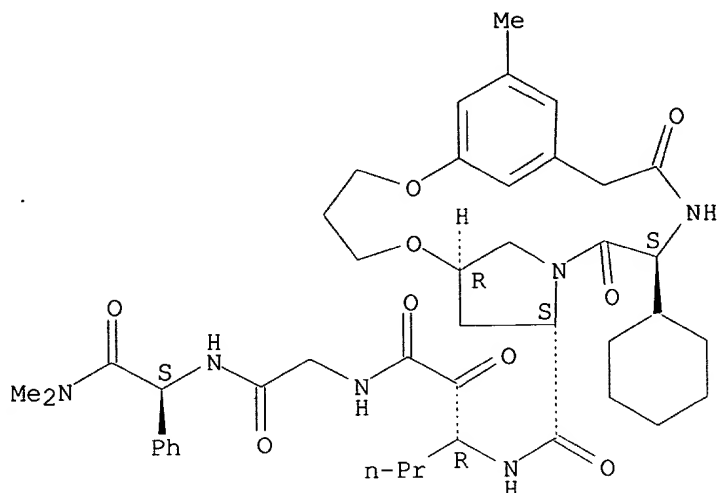
MF C43 H58 N6 O9

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 22 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 367258-00-2 REGISTRY

CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(4-hydroxybutoxy)phenyl]acetyl]glycyl-
(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-2-(2,3-dihydro-1H-
inden-2-yl)-N,N-dimethyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA
INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

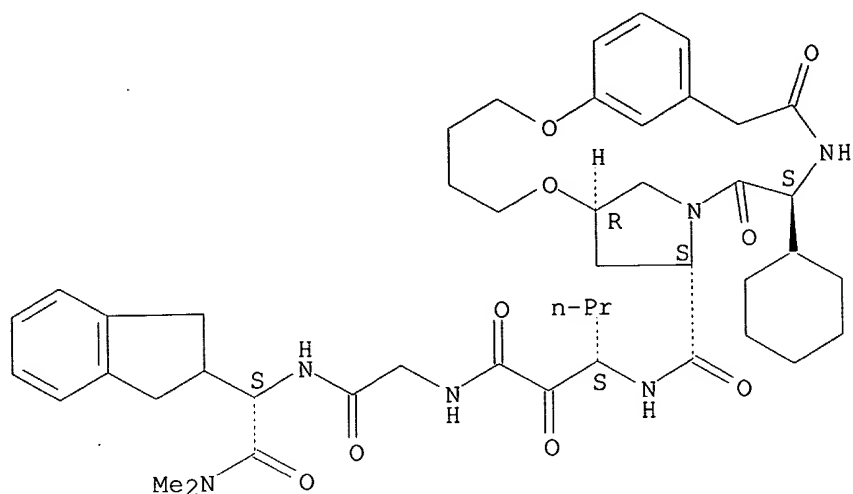
MF C46 H62 N6 O9

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 23 OF 46 REGISTRY COPYRIGHT 2003 ACS

367257-99-6 REGISTRY

RN	367257-99-6	REGISTRY
CN	Glycinamide, (2S)-2-cyclohexyl-N-[[3-(4-hydroxybutoxy)phenyl]acetyl]glycyl- (4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-2-(2,3-dihydro-1H- inden-2-yl)-N,N-dimethyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)	

FS INDEX NAME;
PROTEIN SEQUENCE; STEREOSEARCH

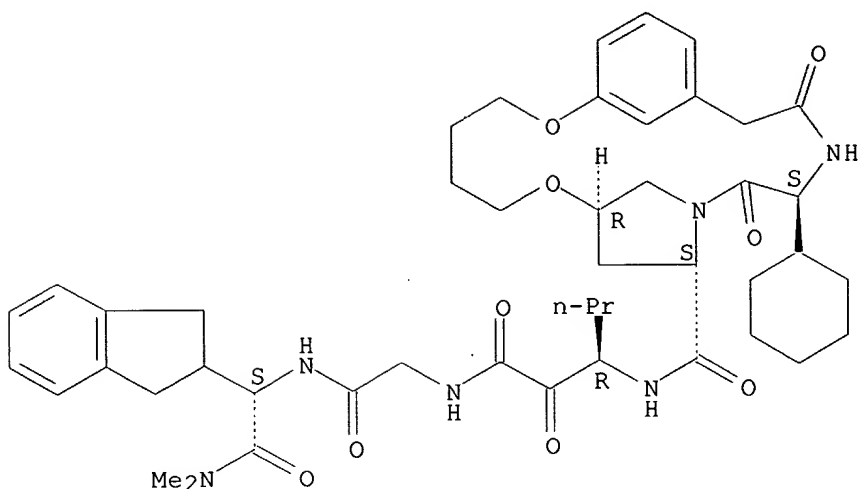
MF C46 H62 N6 O9

SR	CA
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SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

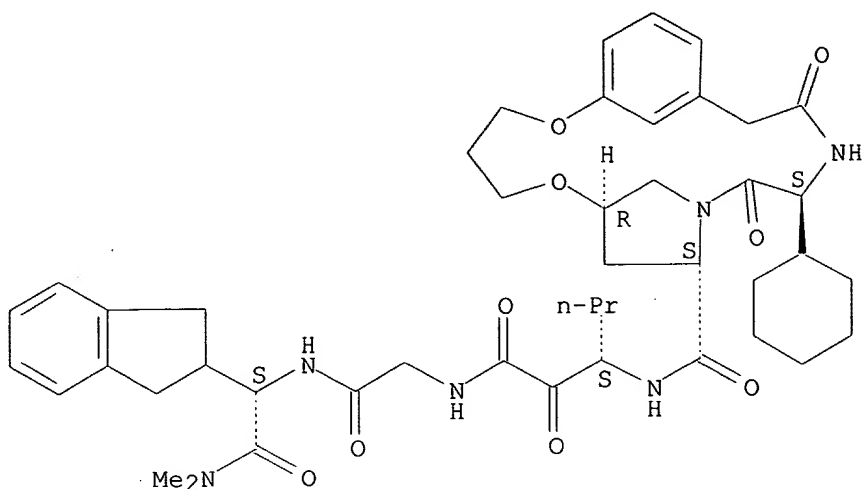
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 24 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-98-5 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl
1-(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-2-(2,3-dihydro-
1H-inden-2-yl)-N,N-dimethyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA
INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C45 H60 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

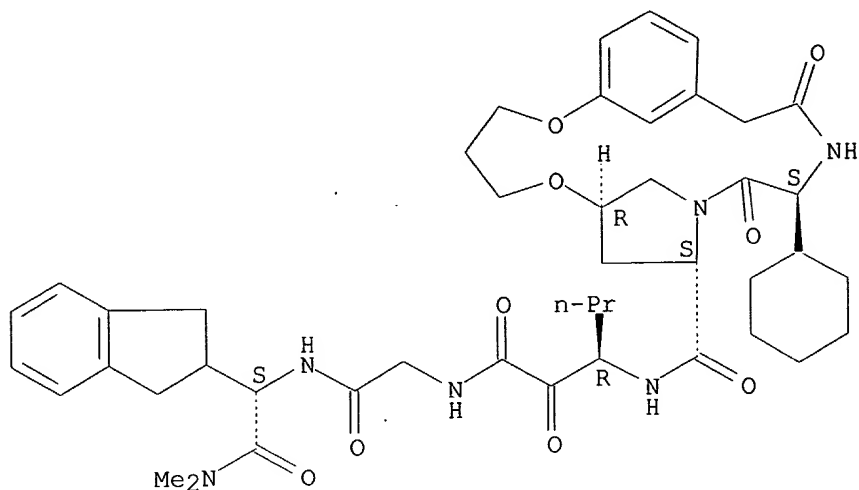
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 25 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-97-4 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl-1-(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-2-(2,3-dihydro-1H-inden-2-yl)-N,N-dimethyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C45 H60 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

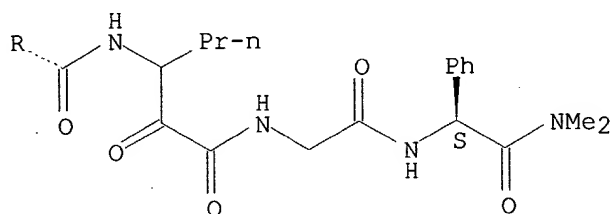
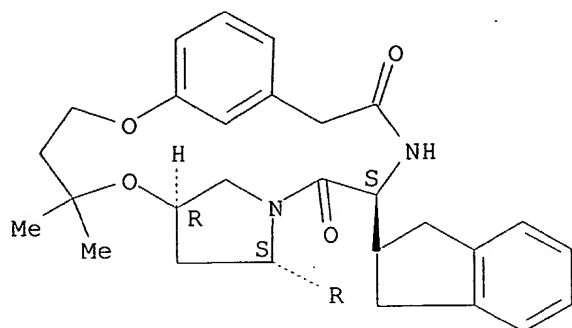
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 26 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-96-3 REGISTRY
CN Glycinamide, (2S)-2-(2,3-dihydro-1H-inden-2-yl)-N-[[3-(3-hydroxy-3-methylbutoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C47 H58 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

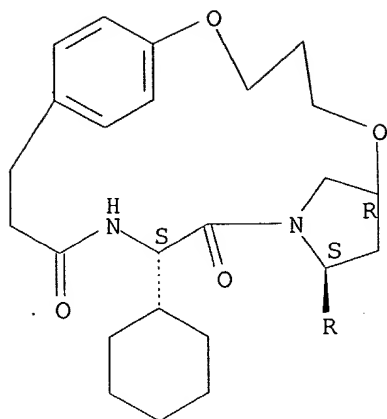
REFERENCE 1: 135:318715

L18 ANSWER 27 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-91-8 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[3-[4-(3-hydroxypropoxy)phenyl]-1-oxopropyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

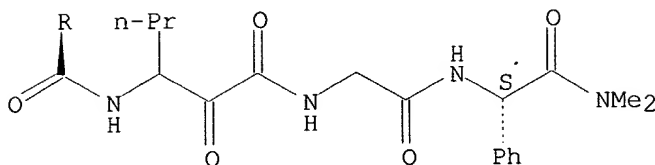
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

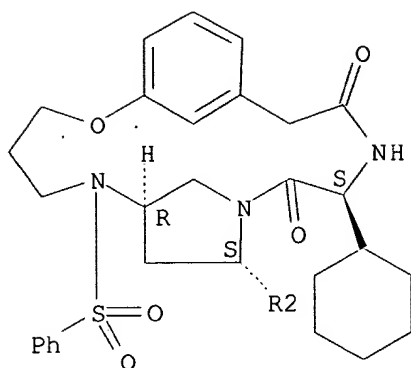
REFERENCE 1: 135:318715

L18 ANSWER 28 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-71-4 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[(3-hydroxyphenyl)acetyl]glycyl-(4R)-4-
[(3-hydroxypropyl)(phenylsulfonyl)amino]-L-prolyl-3-amino-2-
oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-
(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C48 H61 N7 O10 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

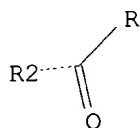
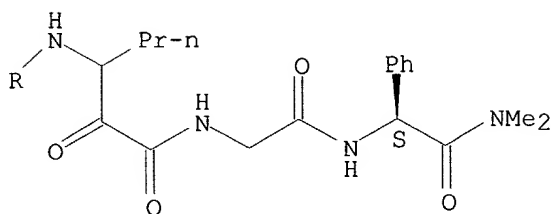
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

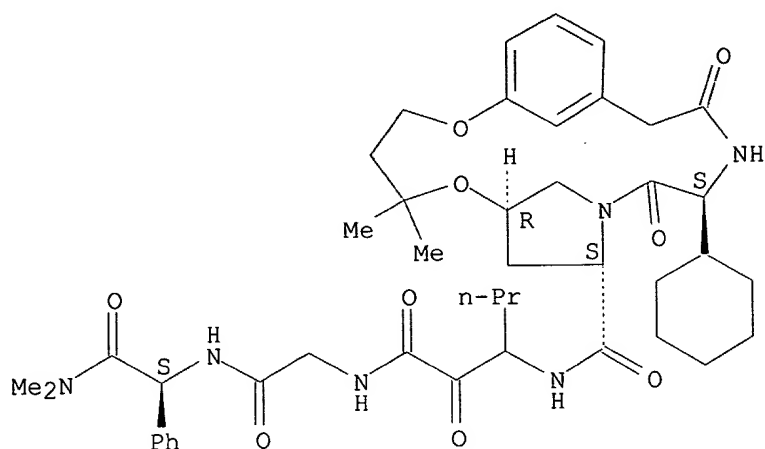
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 29 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-61-2 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxy-3-methylbutoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C44 H60 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

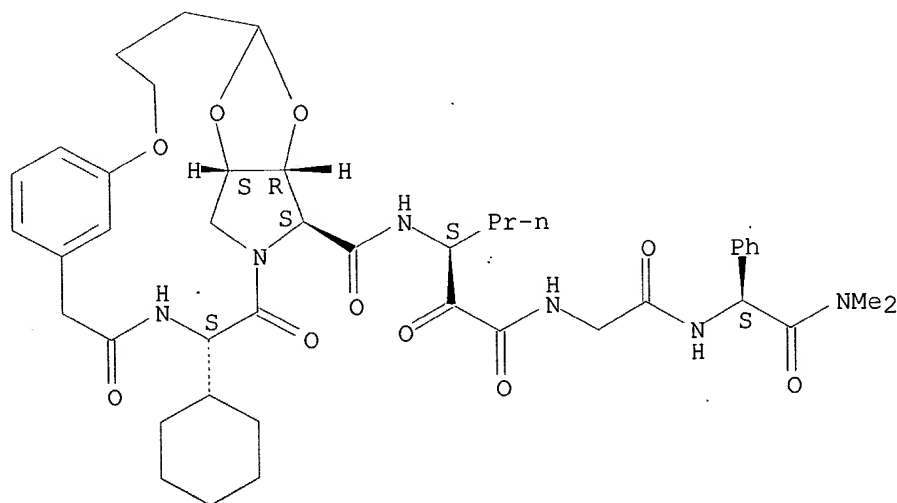
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 30 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-56-5 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[(3-hydroxyphenyl)acetyl]glycyl-
(3aR,4S,6aS)-tetrahydro-2-(3-hydroxypropyl)-4H-1,3-dioxolo[4,5-c]pyrrole-4-
carbonyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic
(1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H56 N6 O10
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

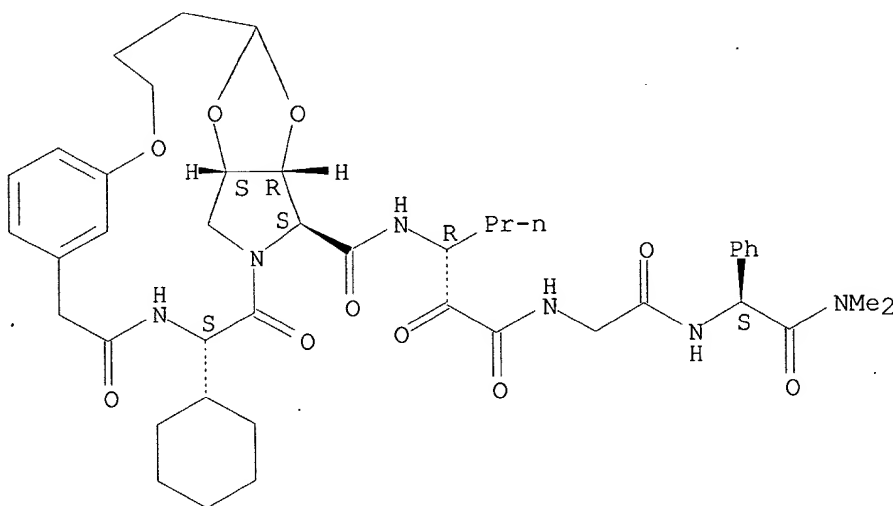
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 31 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-55-4 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[(3-hydroxyphenyl)acetyl]glycyl-
(3aR,4S,6aS)-tetrahydro-2-(3-hydroxypropyl)-4H-1,3-dioxolo[4,5-c]pyrrole-4-
carbonyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic
(1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H56 N6 O10
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

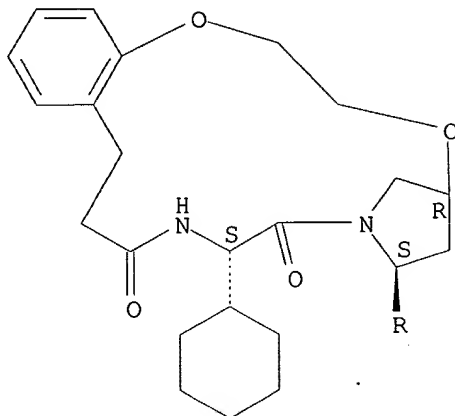
L18 ANSWER 32 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-47-4 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[3-[2-(2-hydroxyethoxy)phenyl]-1-
oxopropyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-
N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX
NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C42 H56 N6 O9
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

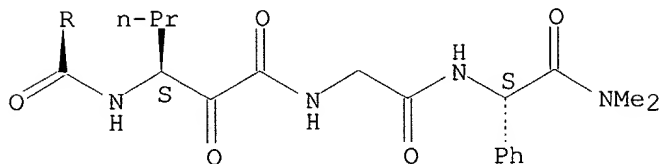
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 33 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 367257-46-3 REGISTRY

CN Glycinamide, (2S)-2-cyclohexyl-N-[3-[2-(2-hydroxyethoxy)phenyl]-1-oxopropyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C42 H56 N6 O9

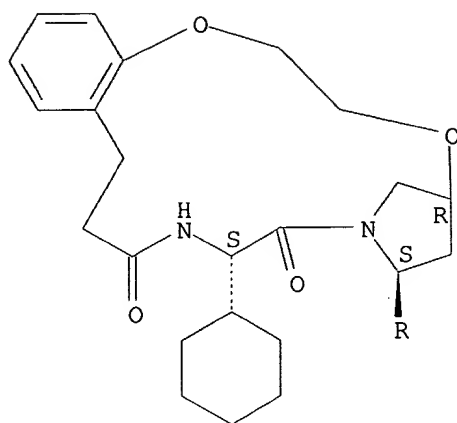
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

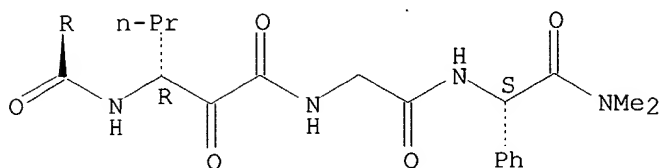
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

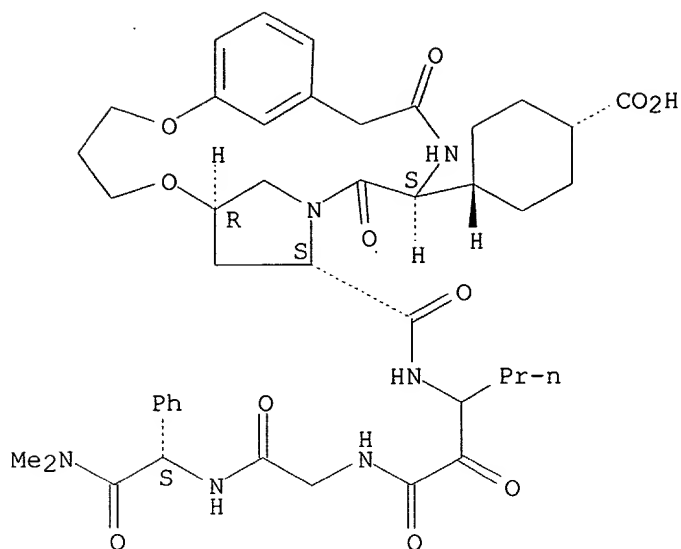
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 34 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-43-0 REGISTRY
CN Glycinamide, (2S)-2-(cis-4-carboxycyclohexyl)-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H56 N6 O11
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 35 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 367257-42-9 REGISTRY

CN Glycinamide, (2S)-2-[cis-4-[(1,1-dimethylethoxy)carbonyl]cyclohexyl]-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

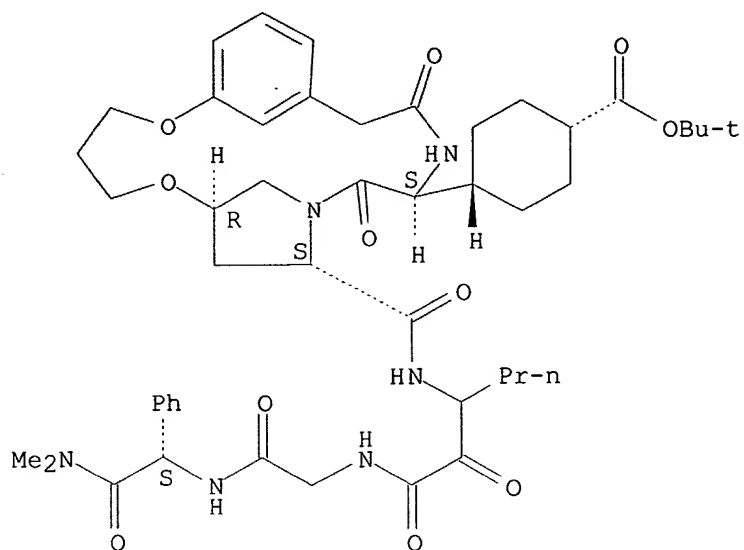
MF C47 H64 N6 O11

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

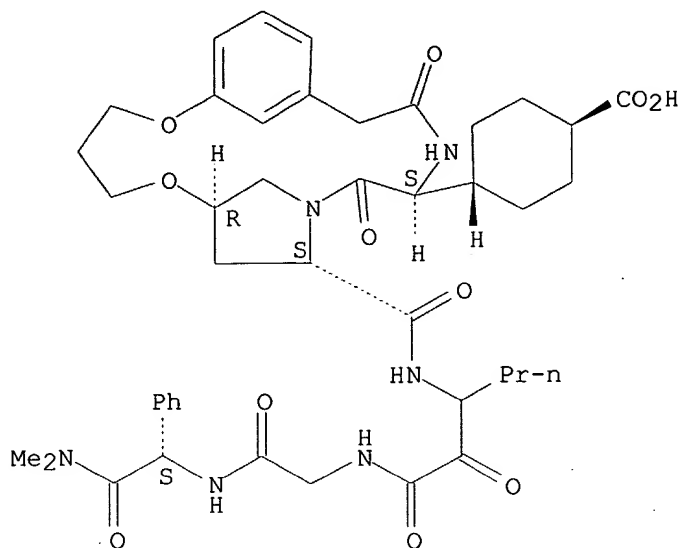
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 36 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-41-8 REGISTRY
CN Glycinamide, (2S)-2-(trans-4-carboxycyclohexyl)-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)-(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H56 N6 O11
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

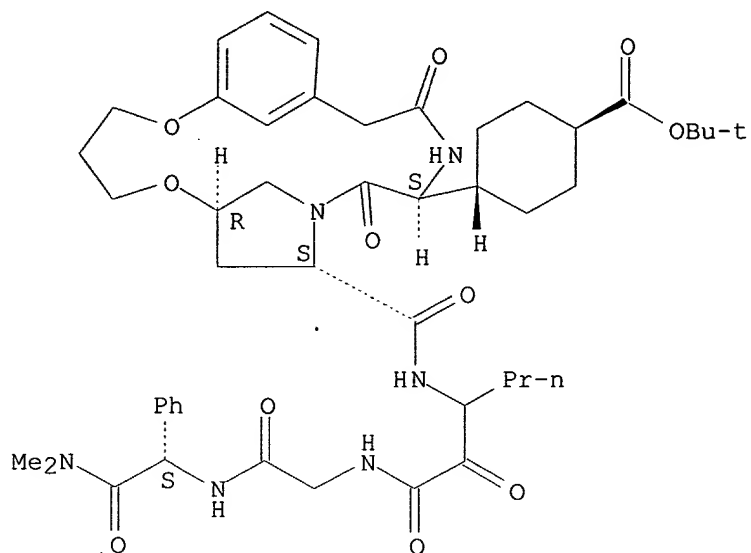
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 37 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-40-7 REGISTRY
CN Glycinamide, (2S)-2-[trans-4-[(1,1-dimethylethoxy)carbonyl]cyclohexyl]-N-
[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-3-amino-
2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether,
(2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C47 H64 N6 O11
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 38 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 367257-35-0 REGISTRY

CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-mercaptopropoxy)phenyl]acetyl]glycyl-(4R)-4-mercapto-L-prolyl-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-thioether, S,S-dioxide, (2S)- (9CI) (CA INDEX NAME)

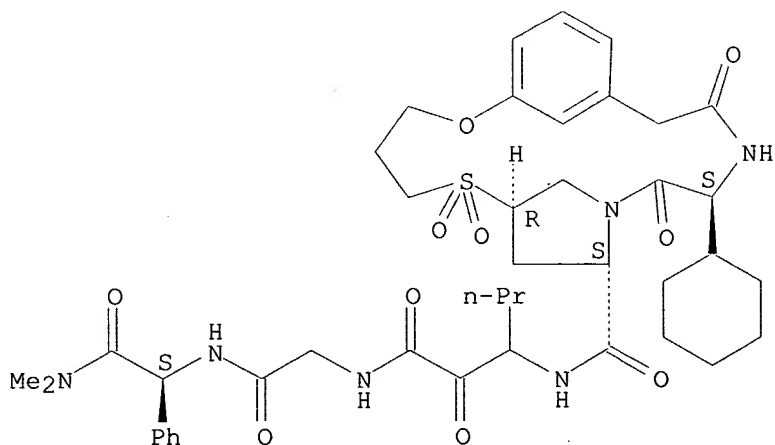
FS STEREOSEARCH

MF C42 H56 N6 O10 S

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



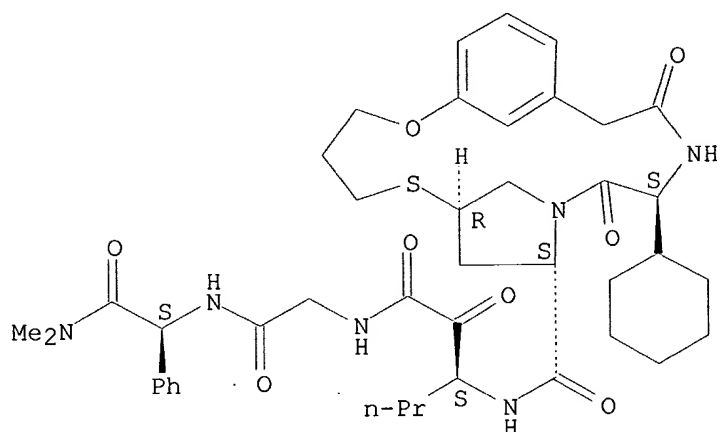
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 39 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-34-9 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-mercaptopropoxy)phenyl]acetyl]glycyl-(4R)-4-mercapto-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-thioether, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C42 H56 N6 O8 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



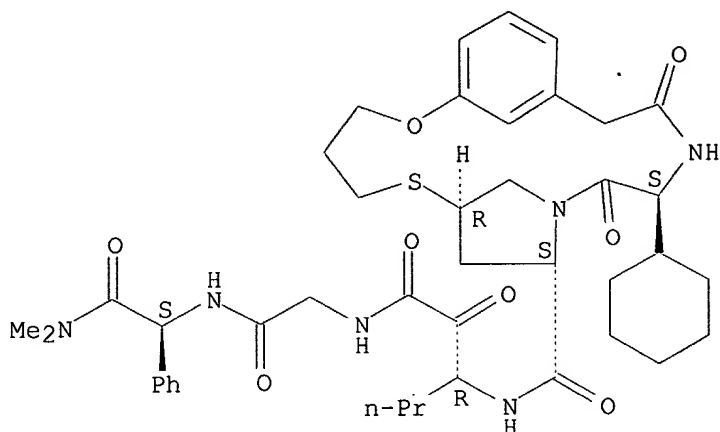
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 40 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-33-8 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-mercaptopropoxy)phenyl]acetyl]glycyl-(4R)-4-mercapto-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-thioether, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C42 H56 N6 O8 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

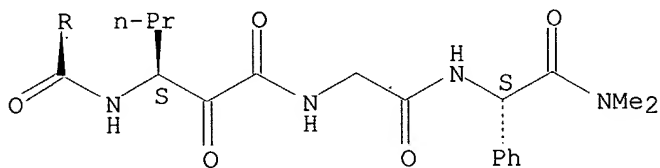
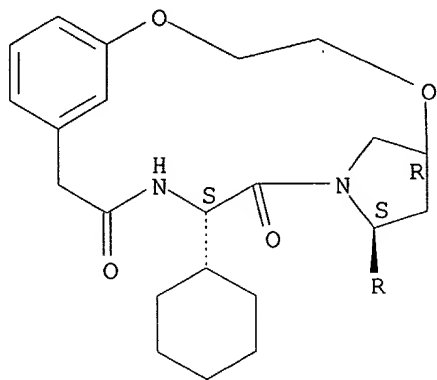
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 41 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-30-5 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(2-hydroxyethoxy)phenyl]acetyl]glycyl-
(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C41 H54 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

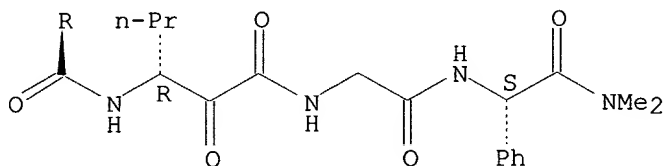
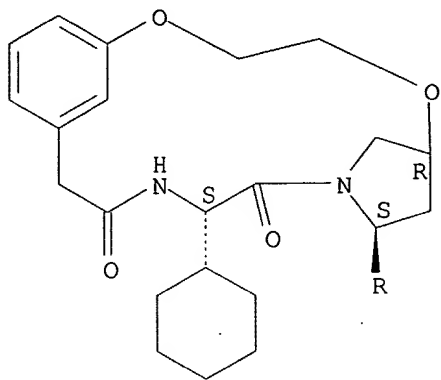
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 42 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-29-2 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(2-hydroxyethoxy)phenyl]acetyl]glycyl-
(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C41 H54 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

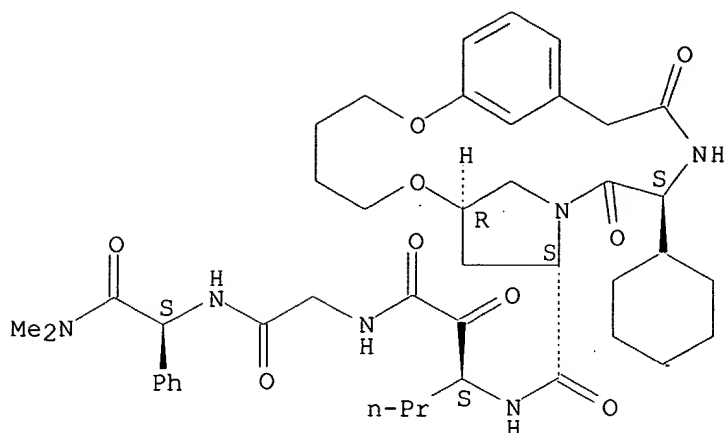
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 43 OF 46 REGISTRY COPYRIGHT 2003 ACS
RN 367257-26-9 REGISTRY
CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(4-hydroxybutoxy)phenyl]acetyl]glycyl-
(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H58 N6 O9
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 44 OF 46 REGISTRY COPYRIGHT 2003 ACS

RN 367257-25-8 REGISTRY

CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(4-hydroxybutoxy)phenyl]acetyl]glycyl-(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

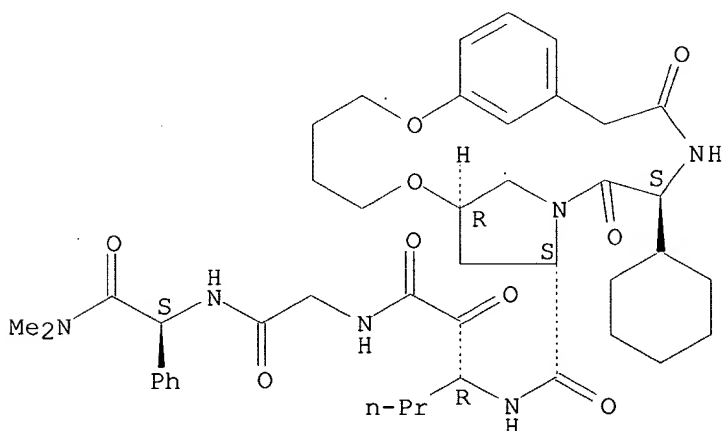
MF C43 H58 N6 O9

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

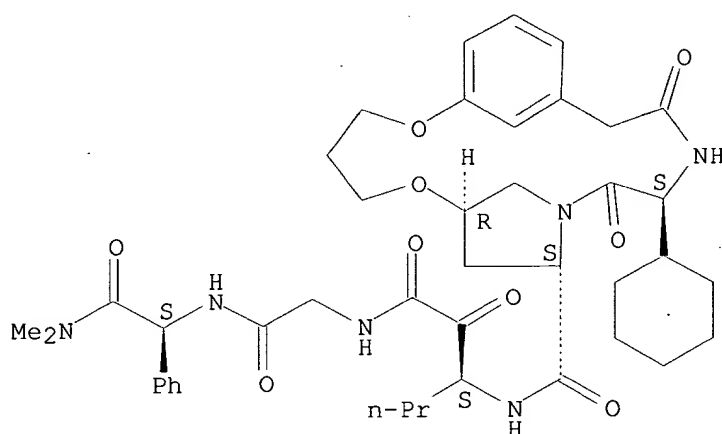
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 45 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 367257-22-5 REGISTRY
 CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl
 1-(4R)-4-hydroxy-L-prolyl-(3S)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
 phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C42 H56 N6 O9
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

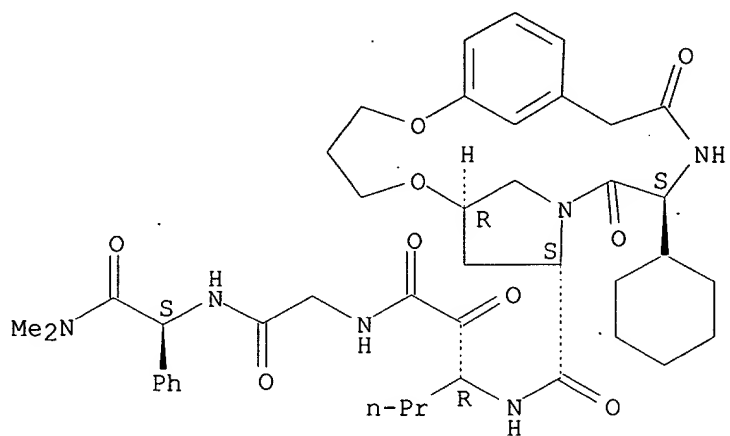
1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715

L18 ANSWER 46 OF 46 REGISTRY COPYRIGHT 2003 ACS
 RN 367257-21-4 REGISTRY
 CN Glycinamide, (2S)-2-cyclohexyl-N-[[3-(3-hydroxypropoxy)phenyl]acetyl]glycyl
 1-(4R)-4-hydroxy-L-prolyl-(3R)-3-amino-2-oxohexanoylglycyl-N,N-dimethyl-2-
 phenyl-, cyclic (1.fwdarw.2)-ether, (2S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C42 H56 N6 O9
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1: 135:318715